

Virkon™ S

FAQs

1. What is Virkon S?

Virkon S broad spectrum Virucidal, Bactericidal & Fungicidal disinfectant is the key component to a successful and sustainable cleaning and disinfection biosecurity programme which has APVMA approval for use in agricultural equipment and facilities, Virkon S is not a Dangerous Goods (DG).

ACTIVE INGREDIENTS

494g/kg POTASSIUM PEROXOMONOSULFATE TRIPLE SALT

132g/kg SODIUM DODECYL BENZENE SULFONATE

15g/kg SODIUM CHLORIDE

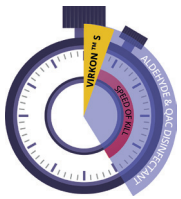
Also contains: 44g/kg SULFAMIC ACID

This Virkon S is a powder formulation. The oxygen-based chemistry is highly effective against fungi, bacteria and viruses that can cause serious damage to crop yields. Virkon S has an extensive dataset of proven efficacy against infectious organisms that have adverse effects on horticulture crops including but not limiting to, early blight, root rot, bacterial canker and bud rot.

Please note that Virkon S is under rebranding to Virkon H and the packaging colour will change from yellow to green with the same formulation.



GCP Product codes: VIRKONS1 1Kg
VIRKONS5 5Kg & VIRKONS10 10Kg



2. What is so special about Virkon S?

It is a fast acting; worth noting that this is 'faster' than other chemistries with less contact time (3-10 minutes, a 5 °C temperature with a 5% organic load).

It is non-tainting and environmentally friendly broad-spectrum disinfectant with a low toxicity for humans, animals, and plants. Virkon S solution has a low oral and dermal toxicity with no toxic vapor phase and does not evolve chlorine when prepared, stored, and used.

3. Where can we use Virkon S?

It controls pathogens in protected cropping, open filed cropping, cool rooms, storage rooms, organic cropping, in areas around and outside the Human Health 'spaces' paths, roadways and areas around nursery and offices.

4. Is Virkon S effective against Coronavirus?

Virkon S has efficacy against corona viruses, and it is expected that Virkon S would inactivate the virus in areas around and outside the Human Health 'spaces' when applied at 1%, or 0.5% (1 to 100 or 1 to 200) dilution.

Please note Virkon S is effective against Coronavirus family NOT specifically the novel COVID-19, strain.

5. What application methods & rates can users implement with Virkon S?

Virkon S solution can be sprayed for disinfecting general surfaces. It also can be used in foot-bath as Foot Dips. Irrigation lines can be filled with Virkon S solution. The rate for the mentioned methods is 1:100 (1%). Moreover, it can be applied for Beds & Matting routine disinfection and aerial misting and fogging 1:100 (1 %) and 3 litres per 10 M2.

6. What sprayers are available for Virkon S application?

Virkon S is compatible with any sprayer that is suitable for chemical application. However, the HydroFoamers and HydroSprayer offer easy automatic dilution with convenient control of where and how the solution is applied.

The HydroFoamer's unique injection concept mixes the proper amount of concentrate with both air and water to produce a thick, rich foam for longer soak time. HydroSprayers produce a fine mist spray suitable for application of no-rinse sanitisers of products used to cover relatively large areas. When used in combination, the HydroFoamer and HydroSprayer provide cleaning, rinsing and sanitizing.



Apply Virkon S with the HydroFoamers and the HydroSprayer



Maintain Biosecurity | Hygiene | Sanitation
Within the Nursery to Combat Pathogens



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PLANT HEALTH

DISINFECTANTS

7. How to disinfect with Virkon S:

Moveable equipment, tools & vehicles

Prepare Virkon S solution at 1:100 (1%). Use either a plastic watering can, knapsack sprayer, pressure washer or Hydrofoamer on a low pressure setting, apply disinfectant solution to all movable equipment and tools. Leave for a minimum of 10 minutes before rinsing with clean water and allowing to dry.

Seed trays, plant pots & containers (plastic)

You need to prepare Virkon S solution at 1:100 (1%) and then submerge pre-cleaned containers in disinfectant solution for a minimum of 1 minute before removing and allowing to dry prior to re-use. Please change the solution.

KEY POINT The solution is bright pink when it is made up. How to determine if the solution is less effective is that the pink colour will start to fade and become cloudy. This is an indication that the solution needs to be changed.

Nursery tools and surfaces

For disinfecting general surfaces Prepare Virkon S solution at 1:100 (1%). Use either a plastic watering can, knapsack sprayer or pressure washer on a low pressure setting, apply disinfectant solution to surfaces at a rate of 300ml per square metre. Leave for a minimum of 30 minutes and then rinse thoroughly with clean water and allow to dry.

For disinfecting nursery tools Prepare Virkon S solution at 1:100 (1%). Disinfect nursery tools at the end of each row of plants by either dipping in (not soaking) or wiping with a cloth or sponge soaked in disinfectant solution.

Water & irrigation systems

Irrigation system The dilution rate for this purpose is 1:100 (1%). Fill irrigation lines with disinfectant solution. Leave for one hour and then flush through with fresh clean water. You can also dose header tank and run disinfection solution through irrigation lines. Leave for 10 minutes then drain and rinse. Disinfect irrigation system between plantings.

Irrigation Beds & Matting The dilution rate for this purpose is 1:100 (1%). apply a fine mist of disinfectant solution evenly over the entire surface area of the irrigation bed or matting.

Biofilm Removal 100% removal of biofilm in water pipes at the dilution of 1:100 over a 4-hour contact.

For foot dips

Prepare Virkon S solution at 1:100 (1%). Always remove gross soiling from footwear wherever possible before stepping into the disinfectant foot dip. Replenish every 5 days, or when heavily soiled. Use the disinfectant foot dip at the entrance of each greenhouse.



12. Product disposal after use?

The active ingredient decomposes by a variety of routes within the environment, in soil and in water, breaking down to form the naturally occurring substances potassium salts and oxygen. The major organic components are classified as readily biodegradable, according to OECD and EU test methods. If there is excess spray mix to dispose of, it is best sprayed lightly over the entire surface already treated.

Triple-rinse containers before disposal. If recycling, replace cap and return clean containers to recycler. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility.

13. Product storage and expiry

Store the product in a cold dry place below 30°C (room Temperature).

Once the Virkon S solution has been made up it lasts up to 7 days (1 week) in a sealed container, so it is advisable to only make up what you need as you go. Please store unused solutions out of direct sunlight in loosely sealed containers. Prevent the solution from contamination which could lead to a reduction in activity of the solution. Prevent the solution from contact with strong alkalis. Do not leave in application equipment after use and always rinse thoroughly.

14. Availability

Please reach out to the GCP office near you for information on size availability, pricing, and ordering.

DISCLAIMER: PLEASE NOTE THAT THIS FACTSHEET AND THE INFORMATION IT CONTAINS IS UP-TO-DATE AND CORRECT AS AT DATE OF ISSUE. THE FACTSHEET HAS BEEN PRODUCED SOLELY WITH THE AIM OF PROVIDING A GENERAL USE GUIDE & OVERVIEW OF THE PRODUCT. IT DOES NOT IN ANY WAY SUPERSEDE LABEL DIRECTIONS AND SAFETY DATA INFORMATION AND EACH USER SHOULD REVIEW THE INFORMATION IN RELATION TO USE CONDITIONS AND REQUIREMENTS WITHIN YOUR STATE, TERRITORY OR LOCAL AUTHORITY.



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